| DIGITAL CAMERA | | PowerShot SX160 IS |
|---|---|---|
| IMAGE SENSOR | | |
| | Type | 1/2.3 type CCD |
| | Effective Pixels | Approx. 16.0M |
| | Colour Filter Type | Primary Colour |
| IMAGE PROCESSOR | | |
| | Type | DIGIC 4 with iSAPS technology |
| LENS | | |
| | Focal Length | 5.0 – 80.0 mm (35 mm equivalent: 28 – 448 mm) |
| | Zoom | Optical 16x<br>ZoomPlus 32x<br>Digital Approx. 4x (with Digital Tele-Converter Approx. 1.6x or 2.0x and Safety Zoom [1]). Combined Approx. 64x |
| | Maximum f/number | f/3.5 – f/5.9 |
| | Construction | 11 elements in 9 groups (1 UD lens, 1 double-sided aspherical lens) |
| | Image Stabilisation | Yes (lens shift-type), 3.5-stop. Intelligent IS |
| FOCUSING | | |
| | Type | TTL |
| | AF System/Points | Face Detection, 1-point AF (fixed to centre) |
| | AF Modes | Continuous, Servo AF/AE [10], Tracking AF |
| | AF Point Selection | Size (Normal, Small) |
| | AF Lock | On/Off Selectable |
| | AF Assist Beam | Yes |
| | Manual Focus | Yes |
| | Closest Focusing Distance | 1 cm (W) from front of lens in macro |
| EXPOSURE CONTROL | | |
| | Metering modes | Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (Centre) |
| | AE Lock | On/Off Selectable |
| | Exposure Compensation | +/- 2 EV in 1/3 stop increments.<br>Enhanced i-Contrast for automatic dynamic range correction |
| | ISO sensitivity [3] | AUTO, 100, 200, 400, 800, 1600 |
| SHUTTER | | |
| | Speed | 1 – 1/3200 sec. (factory default)<br>15 – 1/3200 sec. (total range – varies by shooting mode) |
| WHITE BALANCE | | |
| | Type | TTL |
| | Settings | Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom |
| LCD MONITOR | | |
| | Monitor | 7.5 cm (3.0") TFT, Approx. 230,000 dots |
| | Coverage | Approx. 100% |
| | Brightness | Adjustable to one of five levels. Quick-bright LCD |

| | | |
|---|---|---|
| **FLASH** | | |
| | Modes | Auto, Manual Flash On / Off, Slow Synchro |
| | Slow Sync Speed | Fastest speed 1/2000 sec. |
| | Red-Eye Reduction | Yes |
| | Flash Exposure Compensation | +/- 2 EV in 1/3 stop increments. Face Detection FE. Safety FE. |
| | Flash Exposure Lock | Yes |
| | Manual Power Adjustment | 3 levels with internal flash |
| | Built-in Flash Range | 50 cm – 3.0 m (W) / 60 cm – 2.0 m (T) |
| | External Flash | Canon High Power Flash HF-DC1,<br>Canon High Power Flash HF-DC2 |
| **SHOOTING** | | |
| | Modes | Smart Auto (32 scenes detected), Program AE, Shutter priority AE, Aperture priority AE, Manual, Live View Control, SCN (Portrait, FaceSelf-Timer, Low Light (4.0MP), Snow, Fireworks), Creative Filters (Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect), Discreet, Movie |
| | Modes in Movie | Smart Auto (21 scenes detected), Standard, iFrame Movie, Program AE, Portrait, Snow, Fireworks, Miniature Effect, Monochrome, Super Vivid, Poster Effect |
| | Photo Effects | My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color) |
| | Drive modes | Single, Continuous, Continuous with AF, Self-Timer |
| | Continuous Shooting | Approx. 0.8 shots/sec. with AF: Approx. 0.5 shots/sec. LV: Approx. 0.6 shots/sec.(until memory card becomes full)[6][7] |
| **RECORDING PIXELS / COMPRESSION** | | |
| | Image Size | 4:3 - (L) 4608 x 3456, (M1) 3264 x 2448, (M2) 1600 x 1200, (S) 640 x 480<br>16:9 - (L) 4608 x 2592, (M1) 3264 x 1832, (M2) 1920 x 1080, (S) 640 x 360<br>3:2 - (L) 4608 x 3072, (M1) 3264 x 2176, (M2) 1600 x 1064, (S) 640 x 424<br>1:1 - (L) 3456 x 3456, (M1) 2448 x 2448, (M2) 1200 x 1200, (S) 480 x 480<br><br>Resize in playback (M2, S, XS)<br>*XS is half the length and width of S |
| | Compression | Superfine, Fine |
| | Movies | (HD) 1280 x 720, 25 fps, (L) 640 x 480, 30 fps<br>Miniature Effect (HD, L) 5fps, 2.5fps, 1.25 fps<br>iFrame Movie (HD) |
| | Movie Length | (HD) Up to 4 GB or 29 min. 59 sec. [11]<br>(L ) Up to 4 GB or 1 hour [7] |
| | Still Image Type | JPEG compression, (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant |
| | Movies | MOV [H.264 + Linear PCM (stereo)]<br>iFrame |
| **DIRECT PRINT** | | |
| | Canon Printers | Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge (ID Photo Print, Fixed Size Print and Movie Print supported on SELPHY CP & ES printers only) |
| | PictBridge | Yes |

| | | |
|---|---|---|
| **OTHER FEATURES** | | |
| | Red-Eye Correction | Yes, during shooting and playback |
| | My Camera / My Menu | Start-up image and camera sounds customisation |
| | My Category | Image tagging feature |
| | Intelligent Orientation Sensor | Yes |
| | Histogram | Yes |
| | Playback zoom | Approx. 2x – 10x |
| | Self Timer | Approx. 2 or 10 sec., Custom |
| | Menu Languages | English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese |
| **INTERFACE** | | |
| | Computer | Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible) |
| | Other | HDMI Mini Connector (HDMI-CEC compatible) A/V output (PAL/NTSC) |
| **MEMORY CARD** | | |
| | Type | SD, SDHC, SDXC |
| **SUPPORTED OPERATING SYSTEM** | | |
| | PC & Macintosh | Windows 7 SP1 / Vista SP2 / XP SP3<br>Mac OS X v10.6 – 10.7 |
| **SOFTWARE** | | |
| | Browsing & Printing | ImageBrowser EX |
| | Other | PhotoStitch |
| **POWER SOURCE** | | |
| | Batteries | 2x Size-AA Alkaline or Ni-MH Batteries (NB-3AH) (Alkaline batteries supplied) |
| | Battery life | Approx.140 shots (with supplied batteries)<br>Approx. 380 shots (with optional Canon NB-3AH batteries)<br>Approx. 420 min. playback (with supplied batteries)<br>Approx. 600 min. playback (with optional Canon NB-3AH batteries) |
| | A/C Power Supply | Optional, AC Adapter Kit ACK800 |
| **ACCESSORIES** | | |
| | Cases / Straps | Soft Case DCC-750 |
| | Flash | Canon High Power Flash HF-DC1,<br>Canon High Power Flash HF-DC2 |
| | Power Supply & Battery Chargers | AC Adapter Kit ACK800, Battery Charger Kit CBK4-300, Ni-MH Batteries NB-3AH |
| **PHYSICAL SPECIFICATIONS** | | |
| | Operating Environment | 0 – 40 ºC [9], 10 – 90% humidity |
| | Dimensions (WxHxD) | 111.0 x 72.5 x 44.1 mm |
| | Weight | Approx. 291 g (including battery/batteries and memory card) |

**All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.**
**Subject to change without notice.**

**[1] Depending on the image size selected.**
**[3] Standard Output Sensitivity / Recommended Exposure Index. According to ISO 12232:2006 (20th April 200**
**[6] Under conditions where the flash does not fire.**
**[7] Depending on memory card speed / capacity / compression setting.**
**[9] 0 – 35 °C when NB4-300 is used.**
**[10] Some settings limit availability.**
**[11] The following Speed Class memory cards are required for maximum record time: (HD) 1280 x 720 Speed C**